

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q92481

Takahiro KIMOTO

Appln. No.: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: [case_filing_date]

Examiner: [case_examiner]

For: MOVING PICTURE ENCODING METHOD, MOVING PICTURE DECODING METHOD, MOVING PICTURE ENCODING DEVICE, MOVING PICTURE DECODING DEVICE, AND COMPUTER PROGRAM

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Patent Publication No. 9-98434, published April 8, 1997.
2. International Patent Publication No. 01/84847, published November 8, 2001.
3. International Patent Publication No. 01/06794, published January 25, 2001.
4. Jens-Rainer Ohm, "THREE-DIMENSIONAL SUBBAND CODING WITH MOTION COMPENSATION," IEEE Transactions on Image Processing, Vol. 3, No. 5, September 1994.

INFORMATION DISCLOSURE STATEMENT
New U.S. Patent Application

5. Hamid Gharavi, "SUBBAND CODING ALGORITHMS FOR VIDEO APPLICATIONS: VIDEOPHONE TO HDTV-CONFERENCING," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 1, No. 2, June 1991.
6. Andrew Secker, et al. "MOTION-COMPENSATED HIGHLY SCALABLE VIDEO COMPRESSION USING AN ADAPTIVE 3D WAVELET TRANSFORM BASED ON LIFTING," IEEE, 2001.
7. Lin Luo, et al. "MOTION COMPENSATED LIFTING WAVELET AND ITS APPLICATION IN VIDEO CODING," IEEE International Conference on Multimedia and Expo, 2001.
8. Jerome M. Shapiro, "EMBEDDED IMAGE CODING USING ZEROTREES OF WAVELET COEFFICIENTS," IEEE Transactions on Signal Processing, Vol. 41, No. 12, December 1993.
9. Jo Yew Tham, et al. "HIGHLY SCALABLE WAVELET-BASED VIDEO CODEC FOR VERY LOW BIT-RATE ENVIRONMENT," IEEE Journal on Selected Areas in Communications, Vol. 16, No. 1, January 1998.
10. John W. Woods, "A RESOLUTION AND FRAME-RATE SCALABLE SUBBAND/WAVELET VIDEO CODER," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 11, No. 9, September 2001.
11. Vincent Bottreau, et al. "A FULLY SCALABLE 3D SUBBAND VIDEO CODEC," IEEE, 2001.
12. Patrizio Campisi, et al. "THREE DIMENSIONAL WAVELET BASED APPROACH FOR A SCALABLE VIDEO CONFERENCE SYSTEM," IEEE 1999.

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INFORMATION DISCLOSURE STATEMENT
New U.S. Patent Application

13. Takahiro Kimoto, et al. "3-D WAVELET TRANSFORMATION WITH PERFECT RECONSTRUCTION ON SPATIAL SCALABILITY," 2003 Nen Gazo Fugoka Symposium, November 2003.

One copy of each of the listed documents is submitted herewith, except for those listed in the International Search Report. It is assumed that copies of the cited references from the International Search Report will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under § 1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents Applicant submits the International Search Report which cites reference Nos. 1 and 13 and indicates the degree of relevance found by the Foreign Office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

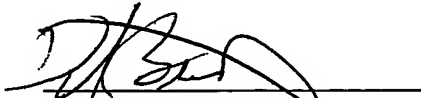
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IAP15 Rec'd PCT/PTO 06 JAN 2006

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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,


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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: January 6, 2006

Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	Not Yet Assigned
Confirmation Number	Not Yet Assigned
Filing Date	January 6, 2006
First Named Inventor	Takahiro KIMOTO
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q92481

Sheet 1 of 2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	9-98434	A	04-08-1997	TOSHIBA CORP	Abstract
		WO	01/84847	A1	11-08-2001	KONINKLIJKE PHILIPS	
		WO	01/06794	A1	01-25-2001	KONINKLIJKE PHILIPS	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Jens-Rainer Ohm, "THREE-DIMENSIONAL SUBBAND CODING WITH MOTION COMPENSATION," IEEE Transactions on Image Processing, Vol. 3, No. 5, September 1994.	
		Hamid Gharavi, "SUBBAND CODING ALGORITHMS FOR VIDEO APPLICATIONS: VIDEOPHONE TO HDTV-CONFERENCING," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 1, No. 2, June 1991.	
		Andrew Secker, et al. "MOTION-COMPENSATED HIGHLY SCALABLE VIDEO COMPRESSION USING AN ADAPTIVE 3D WAVELET TRANSFORM BASED ON LIFTING," IEEE, 2001.	
		Lin Luo, et al. "MOTION COMPENSATED LIFTING WAVELET AND ITS APPLICATION IN VIDEO CODING," IEEE International Conference on Multimedia and Expo, 2001.	
		Jerome M. Shapiro, "EMBEDDED IMAGE CODING USING ZEROTREES OF WAVELET COEFFICIENTS," IEEE Transactions on Signal Processing, Vol. 41, No. 12, December 1993.	
		Jo Yew Tham, et al. "HIGHLY SCALABLE WAVELET-BASED VIDEO CODEC FOR VERY LOW BIT-RATE ENVIRONMENT," IEEE Journal on Selected Areas in Communications, Vol. 16, No. 1, January 1998.	
		John W. Woods, "A RESOLUTION AND FRAME-RATE SCALABLE SUBBAND/WAVELET VIDEO CODER," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 11, No. 9, September 2001.	
		Vincent Bottreau, et al. "A FULLY SCALABLE 3D SUBBAND VIDEO CODEC," IEEE, 2001.	
		Patrizio Campisi, et al. "THREE DIMENSIONAL WAVELET BASED APPROACH FOR A SCALABLE VIDEO CONFERENCE SYSTEM," IEEE 1999.	
		Takahiro Kimoto, et al. "3-D WAVELET TRANSFORMATION WITH PERFECT RECONSTRUCTION ON SPATIAL SCALABILITY," 2003 Nen Gazo Fugoka Symposium, November 2003.	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.